

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 59129602
PUBLICATION DATE : 26-07-84

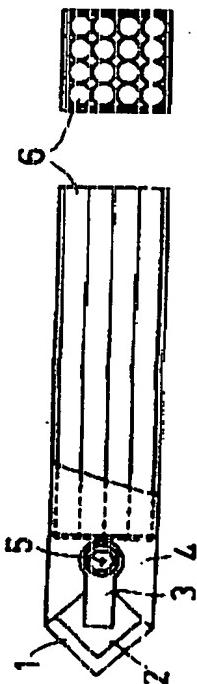
APPLICATION DATE : 12-01-83
APPLICATION NUMBER : 58002289

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INT.CL. : B23B 27/22

TITLE : CUTTING TOOL HOLDER.



ABSTRACT : PURPOSE: To extend the life of a tool by a method wherein a vibration damping means utilizing dry friction is used for the tool holder or a tool spindle.

CONSTITUTION: A vibration damping device 6 comprising a plurality of round bars which are in contact with one another under a suitable pressure is inserted into the tool holder 4. Then the tool 1 is fixed to the tool holder 4 so as to cut a work. In this case, the tool 1 vibrates together with the tool holder 1 and pitching takes place in the tool 1. When the tool holder 4 vibrates, the round bars of the damping device 6 slide with one another so that vibration energy is absorbed to give rise to a damping effect, the pitching phenomenon is reduced and the life of the tool is extended.

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